



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D4961-041
Job Sheet 168434



Part No: D4961-041

Job Qty: 6 ea

Part Name: Tube Assembly



Part Weight: 0 lbs

Status: Scheduled

Priority: High

Job Created: 11/14/17

Job Tracking No:

Due Date: 12/6/17

Created By: Linda Lacelle

Type: SOLD

Description:

Note: DWG REV C IPP REV:A 13.10.22 NEW ISSUE DD VERF:JFS IPP REV:B 15.02.18 AS PER DWG REV.B DD VERF:JFS

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	6 Ea		12/5/17	0.00	0.00	Start Up Container		MCC
110	Small Fab	6 pcs		12/6/17	0.00	3.57	Small Fab		MCC
120	QC	6 pcs		12/6/17	0.00	0.00	QC5		3-88
130	Packaging	6 pcs		12/6/17	0.00	0.00	Packaging3		5129
140	QC21-SA	6 Ea		12/6/17	0.00	0.00	QC21		

Job Allocations

Operation	Component Part	Required	Inventory	Allocated	Std Qty
90-Start up Operation	AN818-L12J	12	75	0	0
	M304TR0.750W.049	4	154	0	0
	MS20819-12J	12	34	0	0

Part Specifications

Specifications could not be found.

Plex 12/14/17 3:02 PM dart.lacelle.linda

AN 818-L 12J

M 304 TR0.750W.049

MS 20819-12J

— 5019416

— 5000958

— M138441 (10) 5006898

5014159 (2)

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																																			
Date : _____	Sten # : _____	LOTV Effective : _____			MRB (QSI042) Approval																																																																
Description S024089 Tube Assembly	Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K64 1K7 CANADA TEL.: 1 613 632-5200 Email: sales@dartaero.com www.dartaerospace.com			Completed By																																																																	
				Lead hand / Supervisor Approval Verification																																																																	
				QC / QA Coordinator Approval																																																																	
PART NO: Revision: Operation: Change No: D4961 – 041 Start up Operation																																																																					
<table style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">Root Cause</td> <td colspan="3"></td> </tr> <tr> <td style="width:15%;">Environment ☐</td> <td style="width:15%;">☐ No Re-verif</td> <td colspan="3"></td> </tr> <tr> <td>Design ☐</td> <td>☐ Operator</td> <td colspan="3"></td> </tr> <tr> <td>Doc/Data ☐</td> <td>☐ Offset/Setu</td> <td colspan="3"></td> </tr> <tr> <td>Equip/Tooling ☐</td> <td>☐ Supplier</td> <td colspan="3"></td> </tr> <tr> <td>Handling/Pre ☐</td> <td>☐ Training</td> <td colspan="3"></td> </tr> <tr> <td>Material ☐</td> <td>☐ Use for Testing</td> <td colspan="3"></td> </tr> <tr> <td>Internal Transport ☐</td> <td>☐ Poor Information</td> <td colspan="3"></td> </tr> <tr> <td>Tribal Knowledge ☐</td> <td>☐ Rushing</td> <td colspan="3"></td> </tr> <tr> <td>LOA ☐</td> <td>☐ Product Improvement</td> <td colspan="3"></td> </tr> <tr> <td>Substation ☐</td> <td>☐ Process Improvement</td> <td colspan="3"></td> </tr> <tr> <td>Past Expiry Date ☐</td> <td>☐ Manufacturing Process</td> <td colspan="3"></td> </tr> <tr> <td>Misidentified ☐</td> <td>☐ Past Due</td> <td colspan="3"></td> </tr> </table>					Root Cause					Environment ☐	☐ No Re-verif				Design ☐	☐ Operator				Doc/Data ☐	☐ Offset/Setu				Equip/Tooling ☐	☐ Supplier				Handling/Pre ☐	☐ Training				Material ☐	☐ Use for Testing				Internal Transport ☐	☐ Poor Information				Tribal Knowledge ☐	☐ Rushing				LOA ☐	☐ Product Improvement				Substation ☐	☐ Process Improvement				Past Expiry Date ☐	☐ Manufacturing Process				Misidentified ☐	☐ Past Due			
Root Cause																																																																					
Environment ☐	☐ No Re-verif																																																																				
Design ☐	☐ Operator																																																																				
Doc/Data ☐	☐ Offset/Setu																																																																				
Equip/Tooling ☐	☐ Supplier																																																																				
Handling/Pre ☐	☐ Training																																																																				
Material ☐	☐ Use for Testing																																																																				
Internal Transport ☐	☐ Poor Information																																																																				
Tribal Knowledge ☐	☐ Rushing																																																																				
LOA ☐	☐ Product Improvement																																																																				
Substation ☐	☐ Process Improvement																																																																				
Past Expiry Date ☐	☐ Manufacturing Process																																																																				
Misidentified ☐	☐ Past Due																																																																				
		Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Surge ☐ m ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐																																																															
Mfg Date: 12/18/17 Job No: 168434																																																																					
OTHER : _____																																																																					